

Express Mail Label No.: EV 058074571 US
Date of Deposit: September 13, 2002

09-16-02
Attorney Docket No.: 22058-560CIP4DIV3CON

1646



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Lin, et al.
SERIAL NUMBER : 09/989,350 EXAMINER : J. Ulm
FILING DATE : November 20, 2001 ART UNIT : 1646
FOR : Novel TNF Receptor death Domain Ligand Protein and Inhibitors of Ligand Binding

BOX IDS

Commissioner for Patents
Washington, D.C. 20231



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PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (2 pages), in duplicate;
3. Copies of Cited References A1-A4, B1-B15, and C1-C29; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 22058-560 CIP4DIV3CON. A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,

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Dated: September 13, 2002

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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith.

Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 22058-560CIP4DIV3CON).

Respectfully submitted,

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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O I P E SEP 13 2002 P A T E N T & T R A D E M A R K S U. S. P A T E N T & T R A D E M A R K O F F I C E		Modified Form 1449/PTO	Application Number	09/989,350
		Filing Date	November 20, 2001	
		First Named Inventor	Lin	
		Group Art Unit	1646	
		Examiner Name	Not Yet Assigned	
		Attorney Docket Number	22058-560 CIP4DIV3CON	
(use as many sheets as necessary)				

U.S. PATENT DOCUMENTS						
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class
A1	5,563,039	10/08/96	Goeddel, et al.			
A2	5,464,938	11/07/95	Smith, et al.			
A3	5,506,340	04/09/96	Heavner			
A4	5,296,592	03/22/94	Dower, et al.			

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
B1	WO	96/34095	Human Genome Sciences, Inc.	10/31/1996	
B2	WO	95/31544	Yeda Research and Development Co., Ltd.	11/23/1995	
B3	WO	95/33051	Genentech, Inc.	12/07/1995	
B4	WO	94/01548	Medical Research Council	01/20/1994	
B5	WO	94/10207	Chiron Corporation	05/11/1994	
B6	WO	92/14834	The Whittier Institute for Diabetes and Endocrinology	09/03/1992	
B7	WO	92/03471	Chiron Corporation	03/05/1992	
B8	WO	92/03470	Chiron Corporation	03/05/1992	
B9	EP	0 585 939	Yeda Research and Development Co., Ltd.	03/09/1994	
B10	EP	0 308 378	Yeda Research and Development Co., Ltd.	03/22/1989	
B11	EP	0 393 438	Boehringer Ingelheim International G.M.B.H.	10/24/1990	
B12	EP	0 433 900	Yeda Research and Development Co., Ltd.	06/26/1991	
B13	EP	0 526 905	Yeda Research and Development Co., Ltd.	02/10/1993	
B15	WO	93/19777	Immunex Corp.	10/14/1993	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Exam Initials	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
C1	Miki, et al. (1992). "Disruption of the APC Gene by a Retrotransposal Insertion of L1 Sequence in a Colon Cancer" <i>Cancer Res.</i> 52: 643-645.
C2	Darnay, et al. (1994). "Identification of a Protein Kinase Associated with the Cytoplasmic Domain of the p60 Tumor Necrosis Factor Receptor" <i>J. Biol. Chem.</i> 269(32): 20299-20304.
C3	Kiefer, et al. (1992). "Characterization of Recombinant Human Insulin-like Growth Factor Binding Proteins 4,5 and 6 Produced in Yeast" <i>J. Biol. Chem.</i> 267(18): 12692-12699.
C4	Genbank Accession Number: T08593 (05/23/93).
C5	GenBank Accession Number: T07800 (07/21/00).
C6	GenBank Accession Number: M78050 (05/26/92).

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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C7	GenBank Accession Number: M78539 (05/26/92).
	C8	GenBank Accession Number: U44953 (07/01/96).
	C9	GenBank Accession Number: U48254 (08/03/96).
	C10	Tartaglia, et al. (1992). "Tumor Necrosis Factor Receptor Signaling" <i>J. Biol. Chem.</i> <u>267</u> (7): 4304-4307.
	C11	Tartaglia, et al. (1993). "Tumor Necrosis Factor's Cytotoxic Activity is Signaled by the p55 TNF Receptor" <i>Cell</i> <u>73</u> : 213-216.
	C12	Gyuris, et al. (1993). "Cdi1, a Human G1 and S Phase Protein Phosphatase That Associates with Cdk2" <i>Cell</i> <u>75</u> : 791-803.
	C13	Schall, et al. (1990). "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor" <i>Cell</i> <u>61</u> : 361-370.
	C14	Shimasaki, et al. (1991). "Identification of Five Different Insulin-like Growth Factor Binding Proteins from Adult Rat Serum and Molecular Cloning of a Novel IGFBP-5 in Rat and Human" <i>J. Biol. Chem.</i> <u>266</u> (16): 10646-10653.
	C15	Saragovi, et al. (1992). "Loops and Secondary Structure Mimetics: Development and Applications in Basic Science and Rational Drug Design" <i>BioTechnology</i> <u>10</u> : 773-778.
	C16	McDowell, et al. (1992). "Structural Studies of Potent Constrained RGD Peptides" <i>J. Am. Chem. Soc.</i> <u>114</u> (24): 9245-9253.
	C17	Kaufman, et al. (1991). "Improved vectors for stable expression of foreign genes in mammalian cells by use of the untranslated leader sequence from EMC virus" <i>Nucleic Acids Res.</i> <u>19</u> (16): 4485-4490.
	C18	Kaufman, et al. (1990). "Selection and Coamplification of Heterologous Genes in Mammalian Cells" <i>Methods in Enzymology</i> <u>185</u> : 537-566.
	C19	Gietz, et al. (1992). "Improved method for high efficiency transformation of intact yeast cells" <i>Nucleic Acids Res.</i> <u>20</u> (6): 1425.
	C20	Waye, et al. (1995). "Gene expression of adult human heart as revealed by random sequencing of cDNA library" <i>Protein Engineering</i> <u>8</u> : 90.
	C21	Auffray, et al. (1995). "IMAGE: integrated molecular analysis of the human genome and its expression" <i>Life Sciences</i> <u>318</u> : 263-272. English Abstract
	C22	Rothe, et al. (1994). "A Novel Family of Putative Signal Transducers Associated with the Cytoplasmic Domain of the 75 kDa Tumor Necrosis Factor Receptor" <i>Cell</i> <u>78</u> : 681-692.
	C23	Song, et al. (1994). "Aggregation of the Intracellular Domain of the Type 1 Tumor Necrosis Factor Receptor Defined by the Two-hybrid System" <i>J. Biol. Chem.</i> <u>269</u> (36): 22492-22495.
	C24	Tartaglia, et al. (1993). "A Novel Domain within the 55 kd TNF Receptor Signals Cell Death" <i>Cell</i> <u>74</u> : 845-853.
	C25	Boldin, et al. (1995). "Self-association of the "Death Domains" of the p55 Tumor Necrosis Factor Receptor and Fas/APO1 Prompts Signaling for the TNF and Fas/APO1 Effects" <i>J. Biol. Chem.</i> <u>270</u> : 387-391.
	C26	Hsu, et al. (1995). "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- κ B Activation" <i>Cell</i> <u>81</u> : 495-504.
	C27	Boldin, et al. (1995). "A protein related to a proteasomal subunit binds to the intracellular domain of the p55 TNF receptor upstream to its 'death domain'" <i>FEBS Letters</i> <u>267</u> : 39-44.
	C28	Adams, et al. (1992). "Sequence identification of 2,375 human brain genes" <i>Nature</i> <u>355</u> : 632-634.
	C29	Adams, et al. (1993). "Rapid cDNA sequencing from a directionally cloned human infant brain cDNA library" <i>Nature Genetics</i> <u>4</u> : 373-380.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.